

The Trail Inventory of Mason Neck NWR Woodbridge, VA



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Federal Highway Administration
Central Federal Lands Highway Division
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Mason Neck NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Excellent		Total
	Miles	%	Miles
Native	2.32	100%	2.32
Asphalt	1.31	100%	1.31
Wood Chip	0.22	100%	0.22
Total	3.85	100%	3.85

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Total
	Miles	%	Miles
TC2	0.36	100%	0.36
TC3	2.18	100%	2.18
TC5	1.31	100%	1.31
Total	3.85	100%	3.85

*Admin Roads are included in the inventory but are not rated for condition.

Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T300	Sign	1	No	0.00	MANE_C2_950 5
T300	Sign	1	No	0.00	MANE_C2_950 6
T300	Sign	2	No	0.00	MANE_C2_950 7
T300	Trailhead	1	No	0.00	MANE_C2_000 1
T300	Boardwalk -lf	32	No	0.07	MANE_C2_000 4
T300	Bench	1	No	0.18	
T300	Begin Section	1	No	0.22	
T300	Culvert -lf	30	No	0.23	
T300	Boardwalk -lf	84	No	0.25	MANE_C2_000 7
T300	Bench	1	No	0.33	
T300	Bridge -sf	40	No	0.39	MANE_C2_000 9
T300	Bench	1	No	0.55	
T300	Culvert -lf	12	No	0.61	
T300	Drainage Dips -each	1	No	0.61	
T300	Step: Log -each	4	No	0.62	
T300	Boardwalk -lf	12	No	0.68	MANE_C2_950 8
T300	Step: Log -each	5	No	0.70	
T300	Sign	20	Yes	0.74	MANE_C2_950 7
T300	Sign	1	No	0.74	MANE_C2_950 9
T300	Bench	1	No	0.74	
T300	Bench	1	No	0.92	
T300	Sign	1	No	0.92	MANE_C2_001 2
T300	Begin Section	1	No	0.92	MANE_C2_003 2
T300	Bridge -sf	12	No	0.96	MANE_C2_951 7
T300	Sign	2	No	0.99	
T300	Sign	1	No	0.99	MANE_C2_001 4
T300	Begin Section	1	No	0.99	MANE_C2_003 3
T300	Bench	1	No	1.00	

T300	Bench	1	No	1.09	
T300	Other	1	No	1.14	MANE_C2_952 1
T300	Sign	1	No	1.14	MANE_C2_952 0
T300	Bench	2	No	1.14	
T300	Water Bar:Wood -each	2	No	1.31	
T300	Water Bar:Wood -each	1	No	1.34	
T300	Sign	1	No	1.36	MANE_C2_001 7
T300	Bench	1	No	1.39	
T300	Step: Log -each	11	No	1.41	
T300	Bench	1	No	1.44	
T300	Bench	1	No	1.53	
T300	Sign	1	No	1.53	MANE_C2_002 1
T300	Other	1	No	1.54	
T300	Bench	1	No	1.63	
T300	Begin Section	1	No	1.67	MANE_C2_002 3
T300	Bench	1	No	1.73	
T300	Begin Section	1	No	1.78	MANE_C2_002 6
T300	Sign	1	No	1.78	MANE_C2_002 5
T300	Other	1	No	1.84	
T300	Bench	1	No	1.85	
T300	Begin Section	1	No	1.87	MANE_C2_002 8
T300	Bridge -sf	34	No	1.93	MANE_C2_002 9
T300	Begin Section	1	No	1.97	MANE_C2_003 1
T300	Begin Section	1	No	2.03	MANE_C2_951 5
T300	Bench	1	No	2.03	
T300	Lookout/Ob Deck	1	No	2.07	
T300	Other	1	No	2.07	
T301	Trailhead	1	No	0.00	MANE_C2_003 5
T301	Boardwalk -lf	10	No	0.01	MANE_C2_003 7
T301	Bench	1	No	0.01	
T301	Drainage Dips -each	1	No	0.01	
T500	Trailhead	1	No	0.00	MANE_C2_004 3
T500	Sign	1	No	0.25	MANE_C2_004 2
T500	Culvert -lf	52	No	0.32	

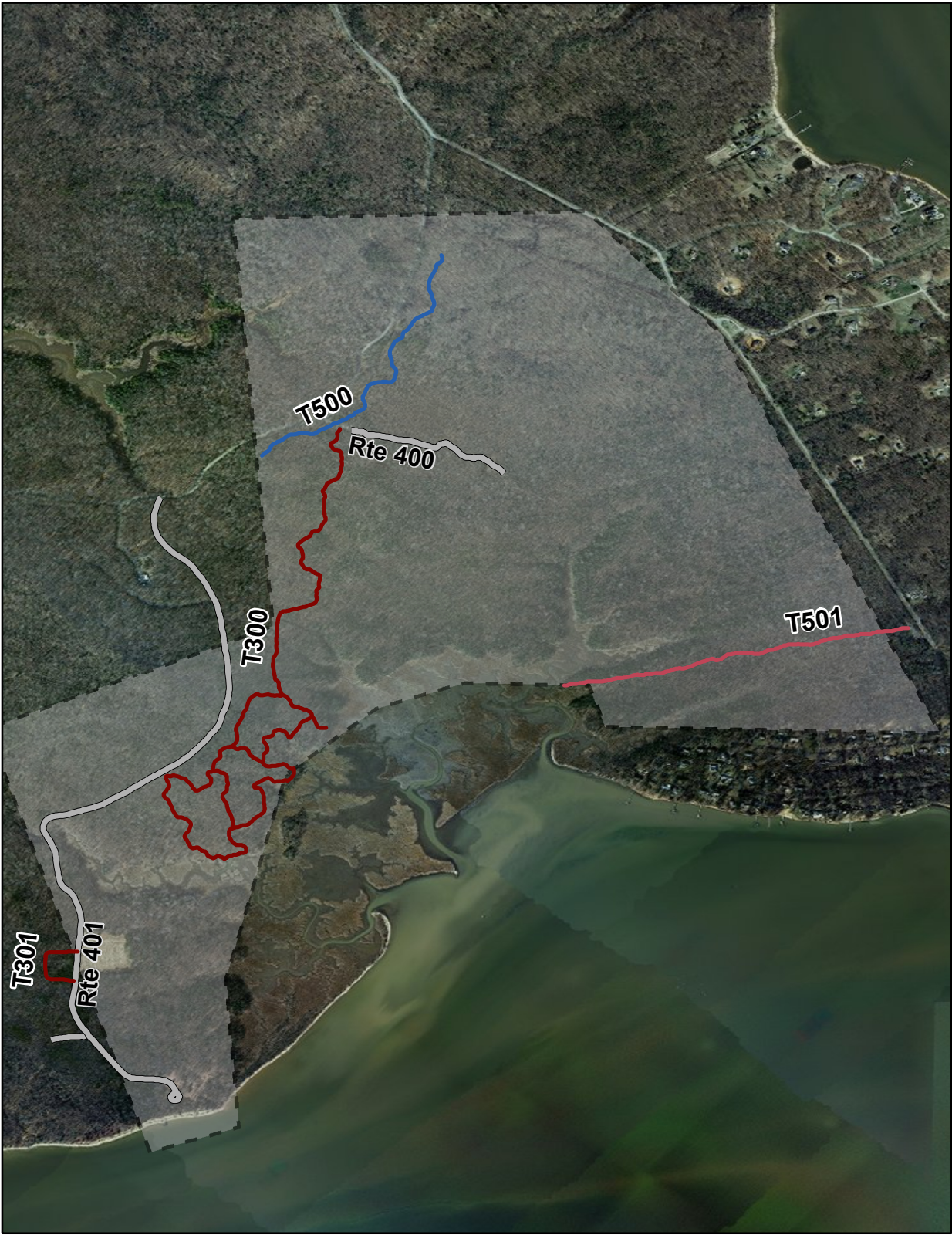
T500	Culvert -lf	20	No	0.42	
T500	Sign	2	No	0.48	MANE_C2_004 1
T500	Sign	2	No	0.49	MANE_C2_004 0
T500	Sign	2	No	0.50	MANE_C2_003 9
T500	Sign	2	No	0.50	MANE_C2_003 8
T500	Sign	2	No	0.52	MANE_C2_004 4
T500	Culvert -lf	22	No	0.55	
T501	Trailhead	1	No	0.00	MANE_C2_004 5
T501	Sign	1	No	0.00	MANE_C2_004 7
T501	Sign	1	No	0.02	MANE_C2_004 6
T501	Bench	1	No	0.20	
T501	Bench	1	No	0.26	
T501	Bench	1	No	0.36	
T501	Bench	1	No	0.40	
T501	Bench	1	No	0.59	
T501	Lookout/Ob Deck	1	No	0.65	

sf - square feet

lf - linear feet

cf - cubic feet

Mason Neck NWR Trail Location Map



Station Boundary



HQ/VC

0 0.35 0.7 Miles

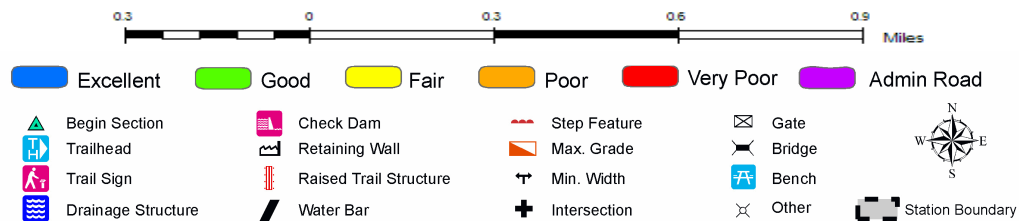
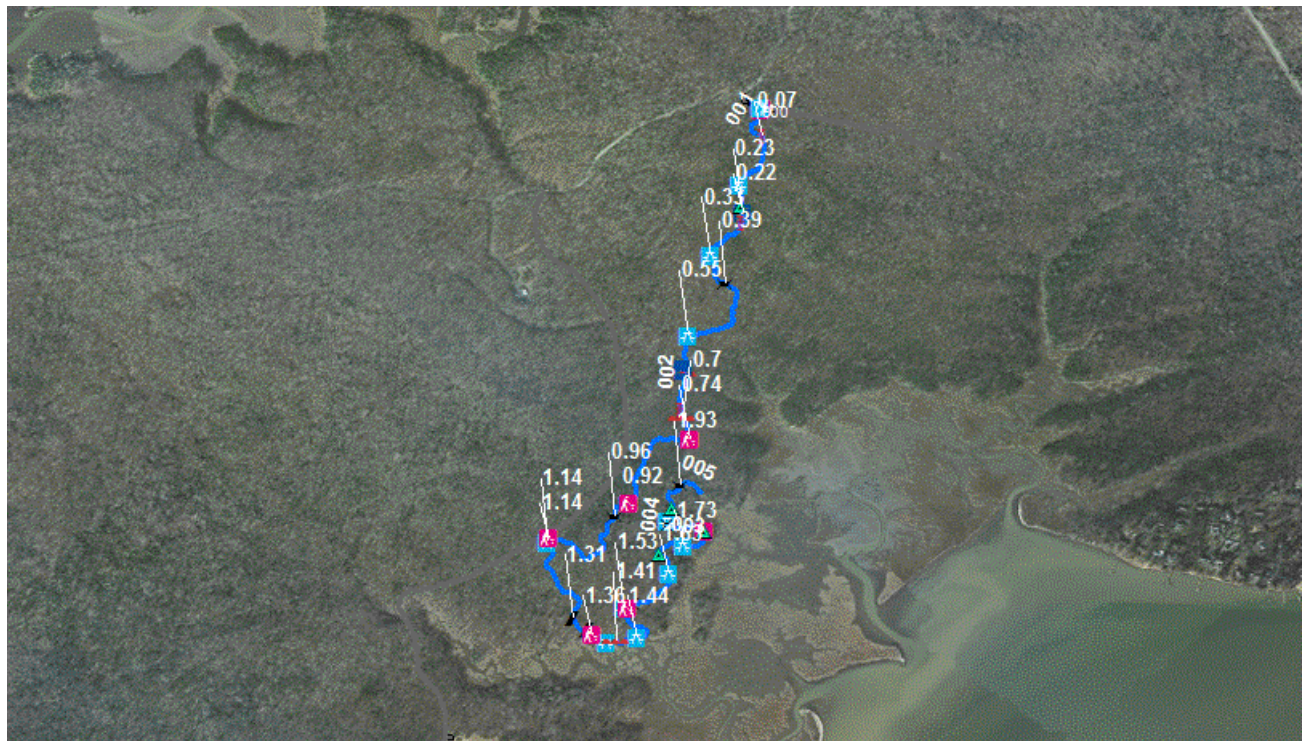
Trails ID

Station Name: Mason Neck NWR

Org Code: 51610

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Woodmarsh Trail	Native	10021360	2.16	From South of Woodmarsh Trail Parking (Rte 900) to End of Loop at Sec 002
T300	Woodmarsh Trail	Wood Chip	10021360	0.22	From South of Woodmarsh Trail Parking (Rte 900) to End of Loop at Sec 002
T301	Trail at EE Field	Native	10021385	0.16	From West of Sycamore Road (Rte 101) to End of Trail
T500	High Point Trail	Asphalt	10053392	0.66	From Northeast Refuge Boundary to West Refuge Boundary
T501	Great Marsh Trail	Asphalt	10021367	0.65	From West of Great Marsh Trail Parking (Rte 901) to Dead End at Overlook

TRAIL CONDITION



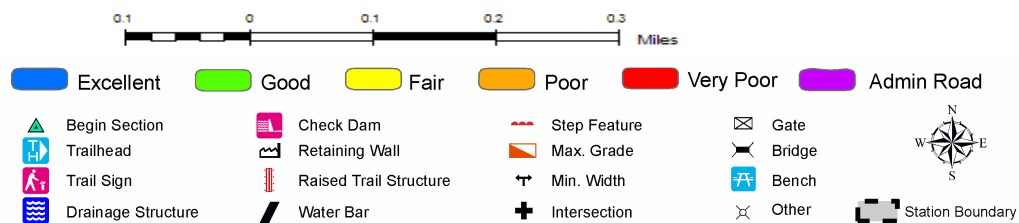
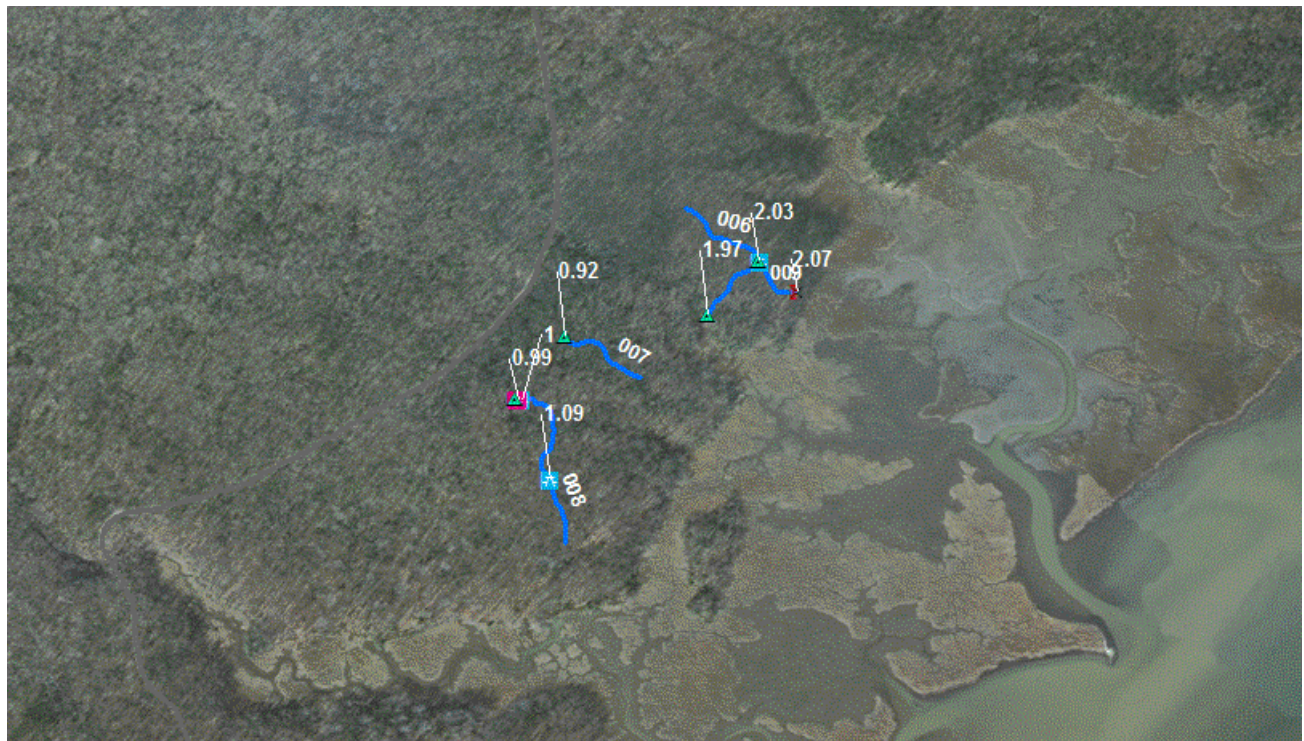
Trail Name: Woodmarsh Trail
Trail Number: T300

Refuge Name: Mason Neck NWR
Region: 5

Total Length: 2.38 Miles

Section Number	001	002	003	004	005
Section Length (miles)	0.22	1.45	0.11	0.09	0.10
SAMMS Number	10021360	10021360	10021360	10021360	10021360
Rating Date	07/22/2006	07/22/2006	07/22/2006	07/22/2006	07/22/2006
Trail Section Information					
Trail Class	TC3	TC3	TC2	TC2	TC3
Surface Type	Wood Chip	Native	Native	Native	Native
Surface Firmness	Firm	Firm	Firm	Soft	Firm
Width (inches)	60	60	48	48	60
Average Grade (%)	3.5	3.5	3.5	3.5	3.5
Average X-slope (%)	2.80	2.80	2.80	2.80	2.80
Trail Condition Information					
Deferred Maintenance					
CRV	\$13,126	\$171,295	\$10,395	\$8,507	\$11,813
FCI	0.00	0.00	0.00	0.00	0.00
Condition	Excellent	Excellent	Excellent	Excellent	Excellent

TRAIL CONDITION



Trail Name: Woodmarsh Trail
Trail Number: T300

Refuge Name: Mason Neck NWR
Region: 5

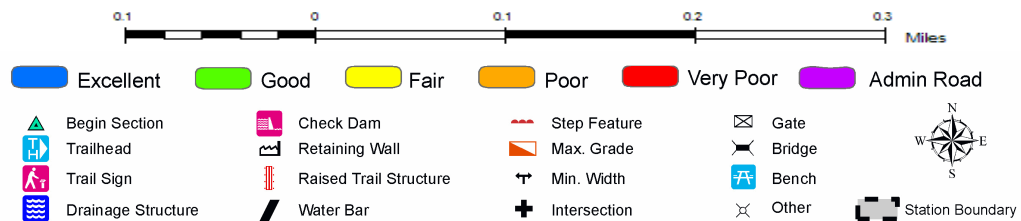
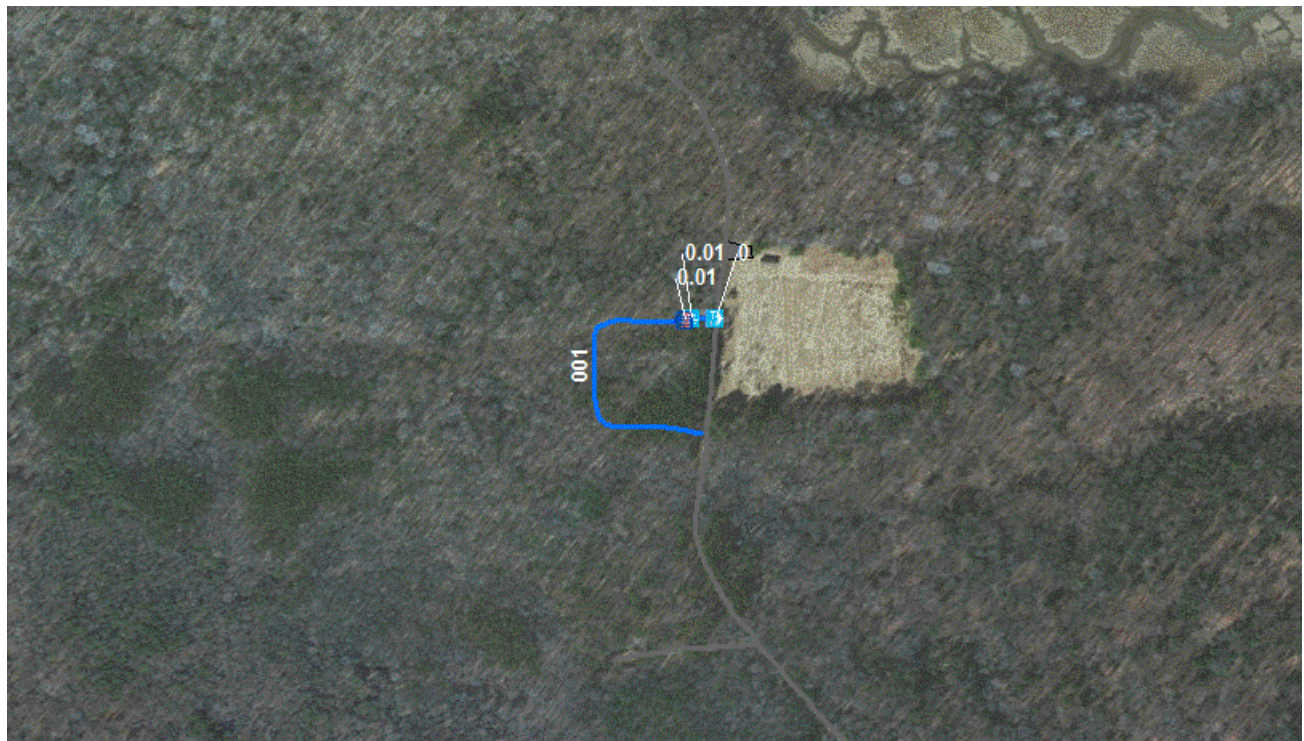
Total Length: 2.38 Miles

Section Number	006	007	008	009
Section Length (miles)	0.14	0.07	0.16	0.04
SAMMS Number	10021360	10021360	10021360	10021360
Rating Date	07/22/2006	07/22/2006	07/22/2006	05/20/2011
Trail Section Information				
Trail Class	TC3	TC3	TC2	TC3
Surface Type	Native	Native	Native	Native
Surface Firmness	Firm	Firm	Firm	Firm
Width (inches)	60	60	60	60
Average Grade (%)	3.5	3.5	3.5	3.5
Average X-slope (%)	2.80	2.80	2.80	2.80
Trail Condition Information				
Deferred Maintenance				
CRV	\$16,539	\$8,269	\$18,902	\$4,725
FCI	0.00	0.00	0.00	0.00
Condition	Excellent	Excellent	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$263,572	0.00	Excellent

TRAIL CONDITION



Trail Name: Trail at EE Field
Trail Number: T301

Refuge Name: Mason Neck NWR
Region: 5

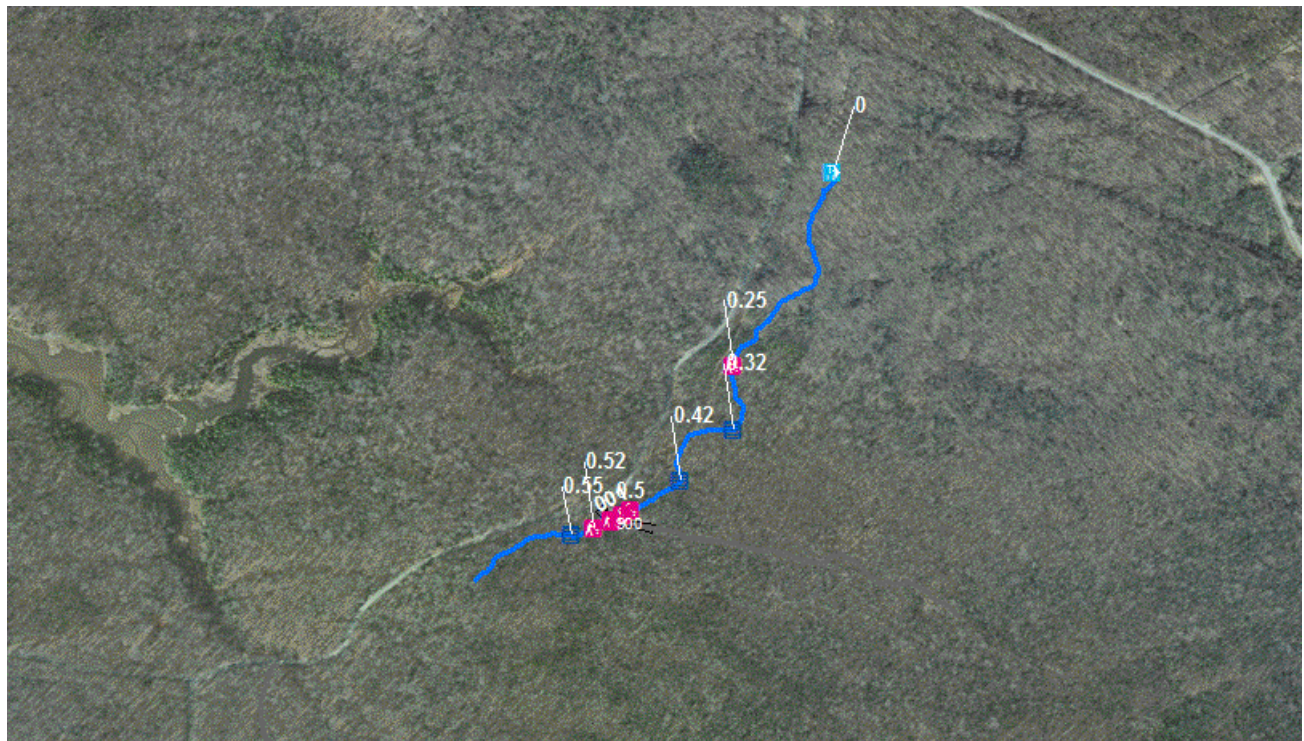
Total Length: 0.16 Miles

Section Number	001
Section Length (miles)	0.16
SAMMS Number	10021385
Rating Date	07/22/2006
Trail Section Information	
Trail Class	TC3
Surface Type	Native
Surface Firmness	Soft
Width (inches)	60
Average Grade (%)	3.3
Average X-slope (%)	2.20
Trail Condition Information	
Deferred Maintenance	
CRV	\$18,902
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$18,902	0.00	Excellent

TRAIL CONDITION



Trail Name: High Point Trail
Trail Number: T500

Refuge Name: Mason Neck NWR
Region: 5

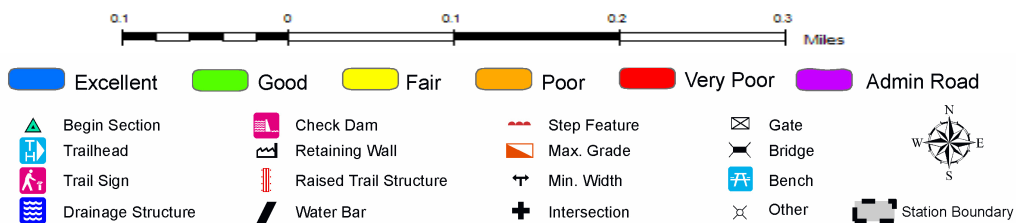
Total Length: 0.66 Miles

Section Number	001
Section Length (miles)	0.66
SAMMS Number	10053392
Rating Date	07/22/2006
Trail Section Information	
Trail Class	TC5
Surface Type	Asphalt
Surface Firmness	Paved
Width (inches)	96
Average Grade (%)	2.4
Average X-slope (%)	0.90
Trail Condition Information	
Deferred Maintenance	
CRV	\$174,522
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$174,522	0.00	Excellent

TRAIL CONDITION



Trail Name: Great Marsh Trail
Trail Number: T501

Refuge Name: Mason Neck NWR
Region: 5

Total Length: 0.65 Miles

Section Number	001
Section Length (miles)	0.65
SAMMS Number	10021367
Rating Date	07/23/2006
Trail Section Information	
Trail Class	TC5
Surface Type	Asphalt
Surface Firmness	Paved
Width (inches)	75
Average Grade (%)	1.0
Average X-slope (%)	0.80
Trail Condition Information	
Deferred Maintenance	
CRV	\$134,281
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$134,281	0.00	Excellent

TRAIL DEFICIENCY

No Deficiencies

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300

STATION: Mason Neck NWR

DATE: 05/20/2011



Photo # MANE_C2_9505 - MP 0.00 - Sign

TRAIL NUMBER: T300

STATION: Mason Neck NWR

DATE: 05/20/2011



Photo # MANE_C2_9506 - MP 0.00 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300

STATION: Mason Neck NWR

DATE: 05/20/2011



Photo # MANE_C2_9507 - MP 0.00 - Sign

TRAIL NUMBER: T300

STATION: Mason Neck NWR

DATE: 07/22/2006



Photo # MANE_C2_0001 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0004 - MP 0.07 - Boardwalk -lf

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0007 - MP 0.25 - Boardwalk -lf

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0009 - MP 0.39 - Bridge -sf

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 05/20/2011



Photo # MANE_C2_9508 - MP 0.68 - Boardwalk -lf

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 05/20/2011



Photo # MANE_C2_9509 - MP 0.74 - Sign

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 05/20/2011



Photo # MANE_C2_9507 - MP 0.74 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0012 - MP 0.92 - Sign

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 05/20/2011



Photo # MANE_C2_9517 - MP 0.96 - Bridge -sf

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300

STATION: Mason Neck NWR

DATE: 05/20/2011



Photo # MANE_C2_9520 - MP 1.14 - Sign

TRAIL NUMBER: T300

STATION: Mason Neck NWR

DATE: 05/20/2011



Photo # MANE_C2_9521 - MP 1.14 - Other

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300

STATION: Mason Neck NWR

DATE: 07/22/2006



Photo # MANE_C2_0017 - MP 1.36 - Sign

TRAIL NUMBER: T300

STATION: Mason Neck NWR

DATE: 07/22/2006



Photo # MANE_C2_0021 - MP 1.53 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0023 - MP 1.67 - Begin Section

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0025 - MP 1.78 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0026 - MP 1.78 - Begin Section

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0028 - MP 1.87 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0029 - MP 1.93 - Bridge -sf

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0031 - MP 1.97 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0032 - MP 0.92 - Begin Section

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0033 - MP 0.99 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0014 - MP 0.99 - Sign

TRAIL NUMBER: T300
STATION: Mason Neck NWR
DATE: 05/20/2011



Photo # MANE_C2_9515 - MP 2.03 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T301
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0035 - MP 0.00 - Trailhead

TRAIL NUMBER: T301
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0037 - MP 0.01 - Boardwalk -lf

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0043 - MP 0.00 - Trailhead

TRAIL NUMBER: T500
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0042 - MP 0.25 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0041 - MP 0.48 - Sign

TRAIL NUMBER: T500
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0040 - MP 0.49 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0039 - MP 0.50 - Sign

TRAIL NUMBER: T500
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0038 - MP 0.50 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500
STATION: Mason Neck NWR
DATE: 07/22/2006



Photo # MANE_C2_0044 - MP 0.52 - Sign

TRAIL NUMBER: T501
STATION: Mason Neck NWR
DATE: 07/23/2006



Photo # MANE_C2_0045 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T501
STATION: Mason Neck NWR
DATE: 07/23/2006



Photo # MANE_C2_0047 - MP 0.00 - Sign

TRAIL NUMBER: T501
STATION: Mason Neck NWR
DATE: 07/23/2006



Photo # MANE_C2_0046 - MP 0.02 - Sign

Glossary of Terms and Abbreviations

Acc Info	Accessibility information available at trailhead.
Action	Action required to correct deficiency.
Admin Road	Administration Road. Admin Roads signed and advertised as trails are included in the trail inventory but a condition assessment is NOT done.
Alt SAMMS	SAMMS number of Alternate Facility Type.
Alt Type	Alternate Facility Type. Trail lies on a feature such as a levee, dam, administrative road or bridge, which has a separate SAMMS number.
AvgGrade	The average grade of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
AvgSlope	The average cross-slope of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
Check Dam	A small dam constructed across a drainage ditch, swale, or channel to lower the speed of concentrated flows.
Condition	Subjective rating of trail based on Facility Condition Index (FCI): FCI \leq .01 = Excellent FCI .02 - .05 = Good FCI .06 - .10 = Fair FCI .11 - .20 = Poor FCI $>$.20 = Failed
Crib Wall	Retaining wall.
Current Replacement Value (CRV)	The value of an asset determined by the estimated cost of replacing it.
Def type	Deficiency Type: Trail Structure, Drainage, Erosion, Obstacle, Trail Location, Other.
Deferred Maintenance (DM)	Maintenance that was not performed when scheduled.

Elem ID	Unique identifier for each trail section: Org Code-Trail Number-Section Number.
Facility Condition Index (FCI)	DM/CRV
Grouped Features	Grouped features include non-unique signs (mileposts, interpretive signs, species identification, etc.), water bars, check dams, steps, drain and drainage dips. For any given grouped feature, a GPS point and photo are taken for the first occurrence only and the total number of features in the group are entered into the “quantity” field of the data dictionary.
Info Type	Type of accessibility information available at trailhead: brochure, sign or other.
Item	Item on which the “Action” (see above) will be performed.
Manage_Use	Managed use of the trail: HIKE, BIKE, NSPC (non-specified), PACK, POR (portage), SNOWSHOE, XSKI (cross-country ski), OTHER.
MP	Distance of a trail feature or deficiency from the Trailhead.
Puncheon	Log footbridge used in area of poor drainage.
Raised Trail Structure	Boardwalk, Turnpike, Puncheon.
T Class	Trail Class: I-V (see Appendix ? for trail class descriptions).
Tr Desig	Trail Designation: Standard (Std), National Historic Trail (NHT), National Recreation Trail (NRT), National Scenic Trail (NST).
Turnpike	Trail tread elevated with dirt, rock or other aggregate from parallel side ditches and held in place by logs.